

Message Text

UNCLASSIFIED

PAGE 01 MOSCOW 14509 01 OF 02 201833Z

44

ACTION SCI-06

INFO OCT-01 EUR-25 ISO-00 COME-00 NSF-04 AEC-11 SCEM-02

AGR-20 INT-08 CIAE-00 DODE-00 INR-10 NSAE-00 PA-04

RSC-01 USIA-15 PRS-01 SPC-03 SS-20 NSC-10 L-03 SAJ-01

OMB-01 NASA-04 DRC-01 /151 W
----- 042175

R 201543Z NOV 73

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC 4046

UNCLAS SECTION 1 OF 2 MOSCOW 14509

E.O. 11652: N/A

TAGS: TGEN, TPHY, UR

SUBJECT: S AND T AGREEMENT: ELECTROMETALLURGY

1. THERE FOLLOWS ENGLISH TEXT OF RECORD OF DISCUSSIONS OF
ELECTROMETALLURGY WORKING GROUP, SIGNED NOVEMBER 2, 1973.
ORIGINAL ENGLISH AND RUSSIAN TEXT BEING POUCHED TO SCI,
REGISTRY NO. 956929.

2. BEGIN TEXT:

"RECORD OF DISCUSSION AT THE FIRST MEETING
OF THE JOINT USA-USSR WORKING GROUPS ON
SPECIAL ELECTROMETALLURGY AND WELDING

"AS A RESULT OF NEGOTIATIONS CARRIED OUT DURING THE FIRST
MEETING OF THE WORKING GROUP IN MOSCOW AND KIEV FROM OCTOBER 29
TO NOVEMBER 2, 1973, THE FOLLOWING BASIS OF US-USSR SCIENTIFIC-
TECHNICAL COOPERATION IN THE FIELD OF SPECIAL ELECTROMETALLURGY
AND WELDING WAS DEVELOPED.

I. THE PARTIES AGREED ON THE DESIRABILITY OF THE
EQUIVALENT EXCHANGE OF PRINTED SCIENTIFIC-TECHNICAL INFOR-
MATION ON WORKS CARRIED OUT IN THE FIELD OF SPECIAL
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 MOSCOW 14509 01 OF 02 201833Z

ELECTROMETALLURGY AND WELDING. PROPOSALS ON INFORMATION

SUBJECT TO THE EXCHANGE WILL BE GIVEN BY EACH PARTY AND INCLUDED INTO THE WORKING PROGRAM ON COOPERATION.

II. AGREEMENT WAS REACHED ON THE REGULAR EXCHANGE OF DELEGATIONS OF EXPERTS, YOUNG SPECIALISTS AND ORGANIZING BILATERAL SYMPOSIUMS. THE DATES OF EXCHANGE AND THE TIME OF CARRYING OUT THE SYMPOSIUMS WILL BE AGREED UPON ADDITIONALLY AND INCLUDED INTO THE WORKING PROGRAMS OF COOPERATION.

III. THE PARTIES AGREED ON THE DESIRABILITY OF JOINT DEVELOPMENT OF NEW TECHNOLOGICAL PROCESSES AND TECHNICAL DESIGNS OF EQUIPMENT FOR SPECIAL ELECTROMETALLURGY AND WELDING.

IV. THE AMERICAN AND SOVIET PARTIES WILL STUDY THE POSSIBILITY OF ORGANIZING JOINT PRODUCTION OF EQUIPMENT FOR SPECIAL ELECTROMETALLURGY AND WELDING ON A MUTUALLY PROFITABLE BASIS.

V. THE FOLLOWING LIST OF SCIENTIFIC-TECHNICAL PROBLEMS FOR POSSIBLE COOPERATION IS AGREED:

1. ELECTROSLAG TECHNOLOGY (REMELTING, CASTING, WELDING) FOR PRODUCING LARGE-TONNAGE BILLETS, PARTICULARLY, FOR HEAVY MACHINE-BUILDING.

2. PLASMA-ARC MELTING OF METALLIC MATERIALS.

3. ELECTRON-BEAM MELTING AND REFINING OF METALS AND ALLOYS.

4. ELECTRON-BEAM EVAPORATION OF METALLIC AND NON-METALLIC MATERIALS IN VACUUM.

5. INVESTIGATION AND DEVELOPMENT OF NEW WELDING MATERIALS OF GENERAL AND SPECIAL-PURPOSE APPLICATION (ELECTRODES, FLUX-CORED WIRES AND SOLID WIRES, FLUXES, GAS MIXTURES).

6. DEVELOPMENT OF MATERIALS, EQUIPMENT AND

UNCLASSIFIED

PAGE 03 MOSCOW 14509 01 OF 02 201833Z

TECHNOLOGY OF WELDING DISTRIBUTION PIPELINES, WORKING IN LOW-TEMPERATURE CONDITIONS AND EQUIPMENT FOR STORAGE, TRANSPORTING AND LIQUIFYING NATURAL GASES.

7. THE DEVELOPMENT OF GENERAL PURPOSE WELDED STEEL STRUCTURES WITH YIELD POINT ABOUT Y_P KG/MM², STUDY OF WELDABILITY, DEVELOPMENT OF WELDING MATERIALS, PROBLEMS OF DEFORMATION AND SO/ON.

8. METAL WELDING IN VACUUM.

9. AUTOMATIC CONTROL OF WELDING AND SPECIAL
ELECTROMETALLURGY PROCESSES USING COMPUTERS.

10. INVESTIGATION OF LOAD-BEARING ABILITY OF NEW
MATERIALS AND HIGH-STRENGTH STEEL WELDED JOINTS.

VI. THE AMERICAN PARTY WILL TAKE ALL POSSIBLE MEASURES,
AS APPROPRIATE, TO INVOLVE THE PARTICIPATION IN THE COOPERATION
WITH THE SOVIET PARTY OF THOSE PRIVATE COMPANIES THAT ARE
INTERESTED IN SUCH COOPERATION.

VII. THE PARTIES CONSIDER THAT WORKING PROGRAMS ON
TOPICS FOR PRIORITY IMPLEMENTATION IN THE AREAS MENTIONED
IN ITEM V SHOULD BE WORKED OUT DURING THE RETURN VISIT OF
SOVIET WORKING GROUP TO THE USA (NOT LATER THAN MARCH-APRIL,
1974) FOR FAMILIARIZATION WITH THE SCIENTIFIC ORGANIZATIONS AND
COMPANIES OF THE USA, DEALING WITH PROBLEMS OF SPECIAL
ELECTROMETALLURGY AND WELDING (SEE APPENDIX).

VIII. THE PARTIES AGREED THAT ALL THE FINANCIAL
ARRANGEMENTS FOR SCIENTIFIC-TECHNICAL COOPERATION (VISITS
OF DELEGATIONS, WORKING GROUPS, AND YOUNG SPECIALISTS,
PREPARATION AND CARRYING T THE SYMPOSIA, ETC.) WILL BE
MADE IN CONFORMITY WITH THE EXISTING US-USSR AGREEMENT ON
COOPERATION IN THE FIELD OF SCIENCE AND TECHNOLOGY, SIGNED
MAY 24, 1972.

(SIGNED) (SIGNED)

R.J. WASILEWSKI B.A. MOVCHAN

LIST

UNCLASSIFIED

UNCLASSIFIED

PAGE 04 MOSCOW 14509 01 OF 02 201833Z

OF INSTITUTES AND FIRMS OF INTEREST TO THE SOVIET DELEGATION

INSTITUTES

RENSSELAER POLYTECHNIC INSTITUTE, MATERIALS DEPARTMENT;
MELLON INSTITUTE, PITTSBURGH;
IIT RESEARCH INSTITUTE, CHICAGO;
LAWRENCE RADIATION LABORATORY, U.S. ATOMIC ENERGY COMMISSION;
NASA LEWIS RESEARCH CENTER, CLEVELAND;

UNCLASSIFIED

NNN

UNCLASSIFIED

PAGE 01 MOSCOW 14509 02 OF 02 201836Z

44

ACTION SCI-06

INFO OCT-01 EUR-25 ISO-00 COME-00 NSF-04 AEC-11 SCEM-02

AGR-20 INT-08 CIAE-00 DODE-00 INR-10 NSAE-00 PA-04

RSC-01 USIA-15 PRS-01 SPC-03 SS-20 NSC-10 L-03 SAJ-01

NASA-04 OMB-01 DRC-01 /151 W

----- 042252

R 201543Z NOV 73

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC 4047

UNCLAS SECTION 2 OF 2 MOSCOW 14509

RESEARCH CENTER FOR MATERIALS AND WELDING, WASHINGTON, DC.C.;
UNIVERSITY OF CALIFORNIA AT BERKELEY AND LOS ANGELES AND
SAN FRANCISCO.

FIRMS

LINCOLN ELECTRIC;
KEMETRON CORPORATION;
MCKAY;
WESTINGHOUSE ELECTRIC;
AIRCO WELDING PRODUCTS;
UNITED STATES STEEL CORPORATION;
ARMCO STEEL CORPORATION;
GENERAL ELECTRIC
SCIACKY, CHICAGO;
BUCYRUS ERIE;
CHICAGO BRIDGE AND IRON;
GENERAL MOTORS CORPORATION, FLINT, MICHIGAN;
FEDERAL MAC KAY, WARREN;
TAYLOR-EINDFIELD, WARREN;
EXHIBITION OF WELDING EQUIPMENT, HOUSTON;
A.O. SMITH CORPORATION.

END TEXT.

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 MOSCOW 14509 02 OF 02 201836Z

3. COMPOSITION OF SOVIET SIDE OF WG, AS REPORTED NOVEMBER 19, IS AS FOLLOWS:

S.P. ANTONOV, CHIEF OF METALLURGY DEPARTMENT, SCST, (CHAIRMAN);

B.A. MOVCHAN, DEPARTMENT CHIEF, PATON INSTITUTE (DEPUTY CHAIRMAN);

P. P. MENUSHENKOV, CHIEF OF GLAVSPETSSTAL, MINISTRY OF FERROUS METALLURGY (DEPUTY CHAIRMAN);

B. I. MEDOVAR, DEPARTMENT CHIEF, PATON INSTITUTE;

V. I LAKOMSKIY, DEPARTMENT CHIEF, PATON INSTITUTE;

V.I. KASHIN, DEPUTY DIRECTOR, BAYKOV METALLURGY INSTITUTE.
DUBS

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SCIENTIFIC COOPERATION, SCIENTIFIC MEETINGS
Control Number: n/a
Copy: SINGLE
Draft Date: 20 NOV 1973
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1973MOSCOW14509
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: n/a
From: MOSCOW
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1973/newtext/t19731123/aaaaaqm.tel
Line Count: 236
Locator: TEXT ON-LINE
Office: ACTION SCI
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 5
Previous Channel Indicators:
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: golinofr
Review Comment: n/a
Review Content Flags:
Review Date: 24 JAN 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <24-Jan-2002 by bryansd0>; APPROVED <18 MAR 2002 by golinofr>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: S AND T AGREEMENT: ELECTROMETALLURGY
TAGS: TGEN, TPHY, UR
To: STATE
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005